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Neural Networks, 1990., 1990 IJCNN International Joint Conference on , 17-21 1990 ✓

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Parallel Processing Symposium, 1995. Proceedings., 9th International , 25-28 A 1995

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Systems, Man, and Cybernetics, 1997. 'Computational Cybernetics and Simulation', 1997 IEEE International Conference on , Volume: 1 , 12-15 Oct. 1997

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ACM SIGMOD Record December 1998
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ACM Computing Surveys (CSUR) December 1996
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 Ashraf Aboulmaga , Surajit Chaudhuri
ACM SIGMOD Record , Proceedings of the 1999 ACM SIGMOD international conference on Management of data June 1999
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 In this paper, we introduce self-tuning histograms. Although similar in structure to traditional histograms, these histograms infer data distributions not by examining the data or a sample thereof, but by using feedback from the query execution engine about the actual selectivity of range selection operators to progressively refine the histogram. Since the cost of building and maintaining self-tuning histograms is independent of the data size, self-tuning histograms provide a remarkably ine ...
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 Lars Hagen , Andrew B. Kahng
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- 4 Elizabeth J. O'Neil , Patrick E. O'Neil , Gerhard Weikum
ACM SIGMOD Record , Proceedings of the 1993 ACM SIGMOD international conference on Management of data June 1993
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This paper introduces a new approach to database disk buffering, called the LRU-K method. The basic idea of LRU-K is to keep track of the times of the last K references to popular database pages, using this information to statistically estimate the interarrival times of references on a page by page basis. Although the LRU-K approach performs optimal statistical inference under relatively standard assumptions, it is fairly simple and incurs little bookkeeping overhead. As we ...

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ACM SIGSIM Simulation Digest , Proceedings of the 23rd annual symposium on Simulation April 1990
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Model-based adaptive controllers have been practiced with numerous successes. The controller is formed in a online discrete optimal controller and implemented in control computer. Because of the fast and accurate calculation capability of microcomputer, this type of controller has reached their limits. To explore the potentiality of model-based adaptive controller, we investigate the adaptive controller with an expert system for selection of identifiers. The model-based adaptive controller ...

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